## INT NATIONAL SEARCH REPORT

International Application No PCT/EP2004/013392

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A01N43/36 B27K3/40 C02F1/50 B27K3/50 C14C9/00 //(A01N43/36,55:10,51:00,47:38,47:02,43:653)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{A01N} & \mbox{B27K} & \mbox{C14C} & \mbox{C02F} \\ \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/22254 A (NOVARTIS AG; ELMSHEUSER, HANS) 26 June 1997 (1997-06-26) page 2, lines 2,3 page 12, paragraph 1 page 16, paragraph 2 page 19, paragraph 2 - page 20, paragraph 2	1-34
X	WO 00/28825 A (NOVARTIS AG; NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT MBH; SCHNEID) 25 May 2000 (2000-05-25) page 1, paragraph 1 page 2, paragraph 2 page 5, paragraph 1-4 page 6, paragraph 3 - page 7, paragraph 4 page 9, paragraph 2-4 page 15, paragraphs 3,4; examples B1-B3	1-20, 25-34

Further documents are listed in the continuation of box C.	γ Patent family members are listed in annex.
Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance      E* earlier document but published on or after the international filling date      C* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      O* document referring to an oral disclosure, use, exhibition or other means      P* document published prior to the international filling date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
6 April 2005	14/04/2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk	Authorized officer
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Klaver, J



ation) DOCUMENTS CONSIDERED TO BE RELEVANT	FC17 E1 20047 013392		
	Relevant to claim No.		
WO 01/56386 A (AVECIA INC; AVECIA LIMITED; UNHOCH, MICHAEL; VORE, ROY) 9 August 2001 (2001-08-09) page 3, line 34 - page 4, line 9 page 10, lines 13-35 page 11, lines 3-14 table B page 26; table D	1,6-8		
DATABASE WPI Section Ch, Week 200341 Derwent Publications Ltd., London, GB; Class A97, AN 2003-432992 XP002323339 & JP 2002 326207 A (SDS BIOTECH CORP) 12 November 2002 (2002-11-12) cited in the application abstract	1,6-8, 21-24		
EP 0 555 186 A (SANDOZ LTD; SANDOZ ERFINDUNGEN VERWALTUNGSGESELLSCHAFT M.B.H; NOVARTIS) 11 August 1993 (1993-08-11) page 3, lines 1-40 page 6, lines 20-26	2-20, 25-34		
EP 0 487 451 A (CIBA-GEIGY AG) 27 May 1992 (1992-05-27) cited in the application  page 2, lines 1-30 page 3, lines 12-39	2,3, 5-12, 14-20, 25,26, 28-34		
WO 98/57543 A (NOVARTIS AG; NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT MBH; MUELLER) 23 December 1998 (1998-12-23) cited in the application page 1, paragraph 1-4 page 2, paragraphs 3,4	2,3, 5-12, 14-20, 25,26, 28-34		
EP 1 025 967 A (LONZA AG) 9 August 2000 (2000-08-09) cited in the application paragraphs '0010! - '0012!	4,13,27		
	WO 01/56386 A (AVECIA INC; AVECIA LIMITED; UNHOCH, MICHAEL; VORE, ROY) 9 August 2001 (2001-08-09) page 3, line 34 - page 4, line 9 page 10, lines 13-35 page 11, lines 3-14 table B page 26; table D  DATABASE WPI Section Ch, Week 200341 Derwent Publications Ltd., London, GB; Class A97, AN 2003-432992 XP002323339 & JP 2002 326207 A (SDS BIOTECH CORP) 12 November 2002 (2002-11-12) cited in the application abstract  EP 0 555 186 A (SANDOZ LTD; SANDOZ ERFINDUNGEN VERWALTUNGSGESELLSCHAFT M.B.H; NOVARTIS) 11 August 1993 (1993-08-11) page 3, lines 1-40 page 6, lines 20-26  EP 0 487 451 A (CIBA-GEIGY AG) 27 May 1992 (1992-05-27) cited in the application  page 2, lines 1-30 page 3, lines 12-39  WO 98/57543 A (NOVARTIS AG; NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT MBH; MUELLER) 23 December 1998 (1998-12-23) cited in the application page 1, paragraph 1-4 page 2, paragraphs 3,4  EP 1 025 967 A (LONZA AG) 9 August 2000 (2000-08-09) cited in the application		

## INTIMATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/013392

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9722254	A	26-06-1997	CH AU CA WO EP ZA	690561 A5 1191897 A 2240738 A1 9722254 A1 0883345 A1 9610577 A	31-10-2000 14-07-1997 26-06-1997 26-06-1997 16-12-1998 18-06-1997
WO 0028825	A	25-05-2000	AT AU BR CA CN DE DK WO EP ES MX TR ZA	231686 T 766142 B2 1651600 A 9915398 A 2349231 A1 1326319 A 69905192 D1 69905192 T2 1130968 T3 0028825 A1 1130968 A1 2192094 T3 PA01004928 A 200101383 T2 200103794 A	15-02-2003 09-10-2003 05-06-2000 07-08-2001 25-05-2000 12-12-2001 06-03-2003 21-08-2003 26-05-2003 25-05-2000 12-09-2001 16-09-2003 10-03-2003 22-10-2001 10-05-2002
WO 0156386	Α	09-08-2001	US AU WO	2001046946 A1 3200301 A 0156386 A2	29-11-2001 14-08-2001 09-08-2001
JP 2002326207	A	12-11-2002	NONE		
EP 0555186	A	11-08-1993	AT AU CA CH DE DK EP ES GR JP MX US ZA	159885 T 665800 B2 3282793 A 2088692 A1 686333 A5 4301885 A1 555186 T3 0555186 A1 2108250 T3 2687543 A1 2263868 A ,B 3025506 T3 1261173 B 2766840 B2 5255016 A 9300615 A1 245833 A 5874456 A 9300820 A	27-02-1998 09-05-1996 18-06-1998 05-10-1993 01-09-1993 26-09-1995 23-02-1999 05-08-1994
EP 0487451	A	27-05-1992	AT AU BG BR CA CS DE DK	136424 T 639841 B2 8790691 A 60133 A3 9104960 A 2055529 A1 9103468 A3 59107663 D1 487451 T3	15-04-1996 05-08-1993 21-05-1992 15-11-1993 23-06-1992 17-05-1992 15-05-1996 06-05-1996

## INT®NATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/013392

Patent document	Publication		Patent family	Publication
cited in search report	date	w-	member(s)	date
EP 0487451 A		EE	2990 B1	16-06-1997
		ΕP	0487451 A1	27-05-1992
		ES	2085455 T3	01-06-1996
		FI	915362 A	17-05-1992
		GR	3019631 T3	31-07-1996
		HR	950140 A1	31-12-1996
		HU	59281 A2	28-05-1992
		ΙE	913990 A1	20-05-1992
		ΙL	100051 A	18-06-1996
		JP	2646164 B2	25-08-1997
		JP	4266804 A	22-09-1992
		LT	1504 A ,B	26-06-1995
		LV	10993 A	20-02-1996
		LV	10993 B	20-06-1996
		MD	277 B1	30-09-1995
		MX	9102062 A1	08-07-1992
		NO	914475 A ,B,	
		NZ	240599 A	27-01-1993
		PL	292418 A1	28-12-1992
		PT	99517 A ,B	30-09-1992
		SG	46991 A1	20-03-1998
		SI	9111853 A	30-06-1998
		RU	2040899 C1	09-08-1995
		US	5250556 A	05-10-1993
		ZA	9109052 A	29-07-1992
WO 9857543 A	23-12-1998	AT	231685 T	15-02-2003
NO 3037310 1.		AU	8626598 A	04-01-1999
		BG	64028 B1	28-11-2003
		DE	69811076 D1	06-03-2003
		DE	69811076 T2	02-10-2003
		DK	993247 T3	26-05-2003
		EE	9900577 A	15-08-2000
		WO	9857543 A1	23-12-1998
		EP	0993247 Al	19-04-2000
		ES	2191953 T3	16-09-2003
		HU	0003063 A2	29-01-2001
		PL	336927 A1	17-07-2000
		RU	2202185 C2	20-04-2003
		SI	993247 T1	30-06-2003
		SK	176599 A3	12-06-2000
		ZA	9805181 A	17-12-1998